

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)

2: (Currently amended) A nucleotide sequence An isolated nucleotide molecule which ~~codes~~ ~~encodes for a~~ ~~the~~ polypeptide having, ~~within the molecule thereof,~~ ~~water~~ ~~channel~~ activity which ~~has~~ the amino acid sequence, shown in the sequence listing under SEQ ID NO:1 and having water channel activity.

3: (Currently amended) The DNA sequence isolated nucleotide molecule having the sequence shown in the sequence listing under SEQ ID NO:2.

4 (Canceled)